

now...
the very finest of all

DorWAL

series 1100

acorn aluminum products co.

21750 Hoover Road • Warren, Michigan

ALUMINUM SLIDING GLASS DOORS CREATED BY



**THE ONE DOOR ENGINEERED FOR
AMERICA'S FINEST HOMES,
MOST BEAUTIFUL MONUMENTAL, INSTITUTIONAL
AND COMMERCIAL STRUCTURES . . . ANYWHERE**

At long last, a dramatic new concept in sliding glass walls that sets a new high standard for the industry.

Yes, the new DorWAL series 1100 boasts the ultimate in design, the last word in engineering and clean functional beauty.

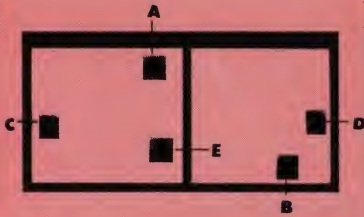
Every feature—from its highly polished hardware and gleaming anodized aluminum frame to double insulated glass and vinyl glazing—whispers beauty, bespeaks quality. This is truly a "door of doors," meeting even the most rigid architectural specifications.

When a structure demands the very best . . . DorWAL series 1100 will pass every test . . . design, weathering and down-to-earth sensible pricing.



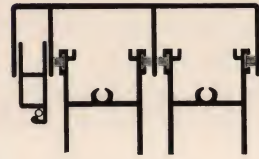
DorWAL series 1100

SECTIONS



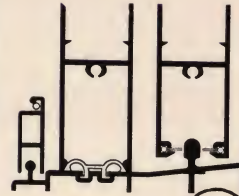
TYPICAL CROSS SECTIONS

NOTE: THESE SPECIALLY DESIGNED EXTRUSIONS FEATURE DOUBLE WEATHERSTRIPPING, VINYL GLAZING AND OTHER EXCELLENT FEATURES WHILE GIVING A CLEAN, SMARTLY SIMPLE EXTERIOR DESIGN.



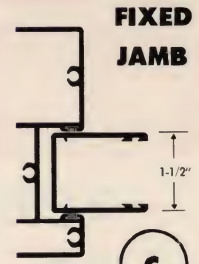
HEAD

A



SILL

B

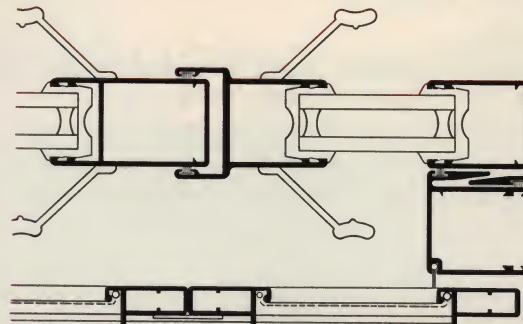


FIXED JAMB

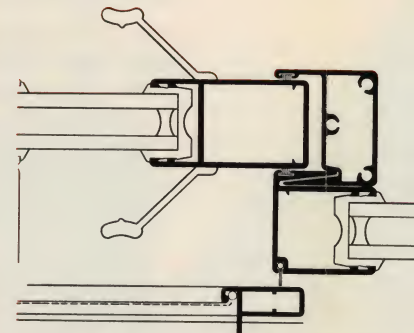
C



ACTIVE JAMB



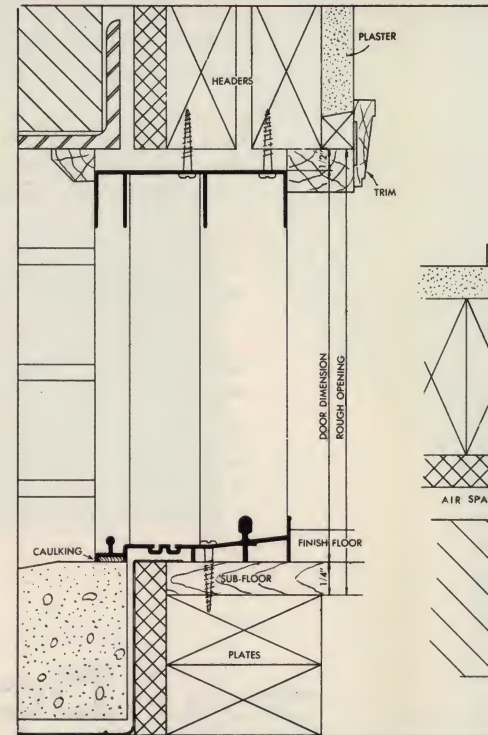
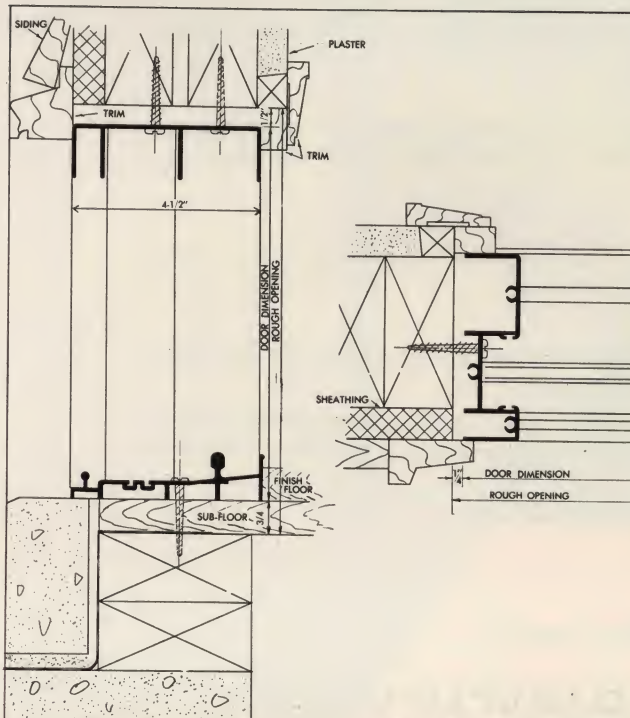
4 PANEL (OXXO) MEETING RAIL



3 PANEL (OXO) MEETING RAIL

INSTALLATION

SCALE: 3" = 1'-0" FULL SIZE DETAILS



FRAME

BRICK VENEER

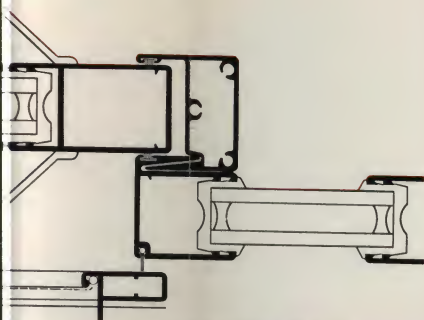
TYPES AND SIZES

FIXED JAMB



C

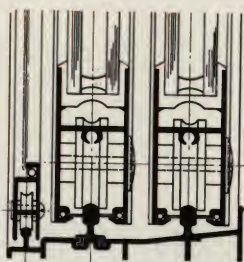
ACTIVE JAMB



MEL (OXO) MEETING RAIL



MEETING RAIL

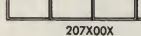
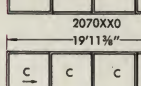
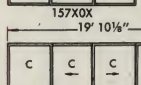
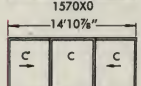
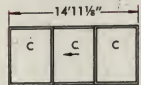
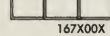
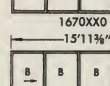
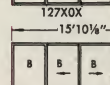
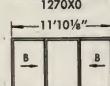
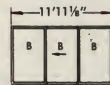
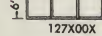
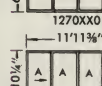
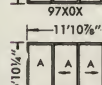
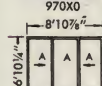
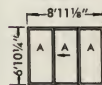
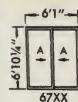


DOUBLE TRACK ADAPTER

DOOR DIMENSION



DOOR DIMENSION

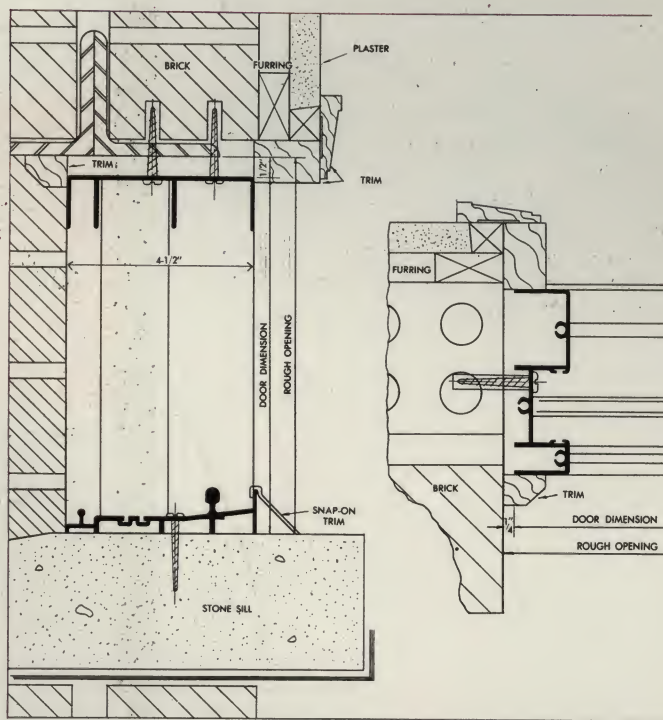
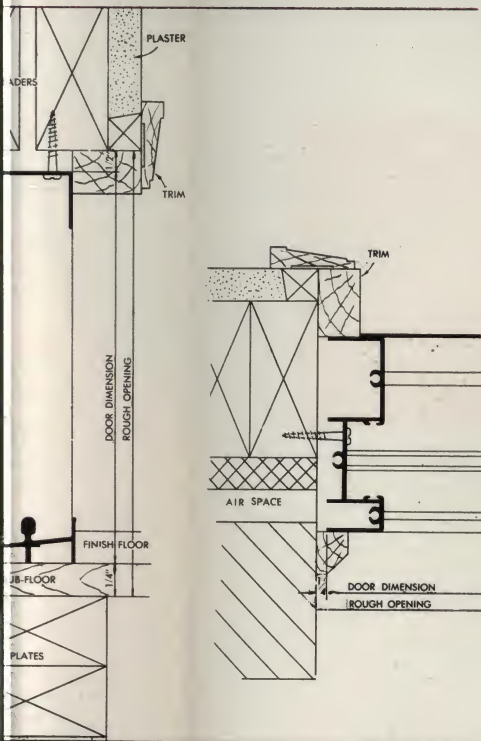


GLASS SIZES	
A	33 x 76 ³ / ₄
B	45 x 76 ³ / ₄
C	57 x 76 ³ / ₄

ALL HANDING AS VIEWED FROM EXTERIOR

CTION DETAILS

FULL SIZE DETAILS AVAILABLE



CK VENEER

MASONRY

These superior features are engineered into

DorWAL series 1100

A THING OF BEAUTY . . .

BUT MORE THAN **VISUAL BEAUTY** . . . here is a door engineered to gladden the heart of every architect and builder . . . for there is *beauty* in the way it looks, *beauty* in the way it protects, *beauty* in the way it installs, *beauty* in its fantastic ease of operation . . . Examine the features shown below, see for yourself that THE DorWAL is truly A THING OF RARE ENGINEERING AND OPERATIONAL BEAUTY.

SLOPED SILL and interior condensation gutter provide positive drainage.

DEEP BAFFLE JAMB sections provide automatic alignment of out-of-square installations.

WEATHERTIGHT CORNERS secured by triangular screw pattern into extruded boss.

MAXIMUM STRENGTH assured by overlap-interlock corners and tubular jamb sections that prevent twisting and bowing of panel.

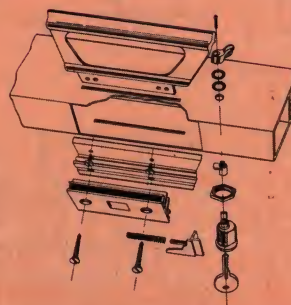
DOUBLE WEATHERING PROTECTION with Schlegel Cloth weatherstripping on both inside and outside surfaces.

AUTOMATIC LOCKING ADJUSTABLE HARDWARE cannot be accidentally locked or broken—full security night lock, anodized aluminum handles.

ADJUSTABLE SILL ROLLERS permit servicing to fit all field conditions.

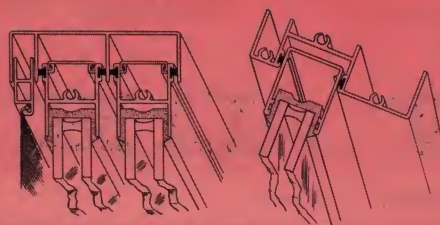
HEAD ROLLER GUIDE—assembly attached to door—cannot work loose.

FULL RANGE OF SIZES AND STYLES—1, 2, 3 or 4 moving panels in sizes to fit all openings in all types of construction.



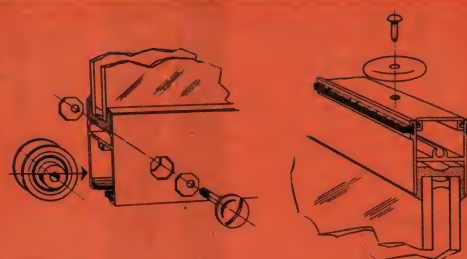
HARDWARE

Beautifully designed and quality crafted of extruded aluminum—polished and anodized to a satin smooth lasting finish. Flush mounted cylinder lock, master keyed, available if required.



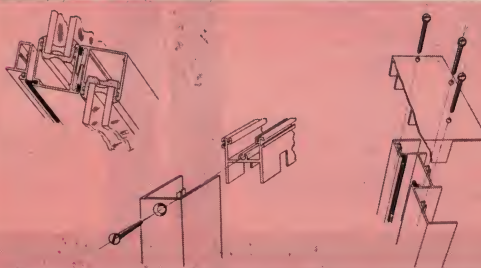
WEATHERING

High pile silicon treated Schlegel Cloth on both inside and outside surfaces provides all members with double weathering protection. Double insulating glass is held securely by heavy vinyl weatherstripping.



EASY OPERATION

Effortless finger-tip control. Heavy DorWAL sections glide effortlessly and silently on nylon ball bearing rollers at sill, while guided by friction-reducing nylon roller assembly at head.



STRENGTH

Triangular frame corner, overlap-interlock panel corner, and specially designed tubular extrusions make DorWAL strongest in the industry.

DorWAL series 1100

SPECIFICATIONS

general

Aluminum horizontal sliding doors shown on plans and in specifications shall be DorWAL doors as manufactured by ACORN ALUMINUM PRODUCTS COMPANY, Warren, Michigan.

material and construction

DorWAL door units shall be constructed from specially designed, heavy gauge, extruded sections of 63ST5 tempered aluminum alloy in accordance with DorWAL engineering standards drawings.

frame

Consists of head channel track, sloped sill track and jamb tracks. Corner of frame joined by three large diameter screws fastened into integral extruded strengthening ribs in jamb section in triangle pattern. Sloped sill track contains panels and condensation gutter.

sash

Stiles and rails constructed of heavy extruded tubular section. Panel jambs machined to overlap and interlock with head and sill joined by screws fastened into extruded bosses in panel head and sill.

weatherstripping

All weathering surfaces provided with double weathering (inside and outside surfaces). All weatherstripping of high pile, silicon treated, water resistant, vinyl backed Schlegel Cloth, held in extruded keyways in sections. Weatherstripping is in continuous lengths and forms a complete seal. All weatherstripping replaceable. Inactive panel to seal on bulb vinyl at sill.

hardware

Snap action latch automatically snaps shut as panel and keeper meet. Automatically opens as handle is pulled. Safety action, button operated night security latch. Bumper stops on all sliding panels. Sliding panels equipped with two nylon covered cadmium plated ball bearings, weather sealed, adjustable rollers at bottom. Top roller guides on active panel of nylon riveted to aluminum plate and keyed to head section. All screws self tapping, either plated or stainless steel. Flush mounted, master keyed cylinder lock available.

finish

All doors satin etched and anodized (204-R1) free of all exposed surface blemishes, scratches and tool marks, to provide a uniform color and texture.

screens

Frames of tubular aluminum extrusion fitted with 18 x 14 mesh rewirable aluminum insect screen cloth held by vinyl spline. Adjustable nylon ball bearing sill rollers and vinyl head guide. Positive action dead bolt lock, extruded aluminum pull handles. Schlegel Cloth insect seal at meeting rail.

glazing

All doors supplied on jobsite completely glazed (as specified) with vinyl glazing channel. Complete door packages shipped knocked down to point of distribution for assembly and glazing by others.

erection (by others)

DorWALS erected in prepared openings according to manufacturer's recommendations and installation drawings. Frames must be securely fastened, set plumb and level without twisting, bowing or springing.

After installation all DorWALS may be adjusted if necessary, to insure efficient operation. Mastic furnished by others. Installation screws provided by manufacturer. Manufacturer assumes no liability for damage by the trades or final cleaning of aluminum.

Your **DorWAL** distributor



Digitized by:



ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL
www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:

Carol J. Dyson, AIA